

TOP SECRET RUFF

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Attachment to

19 April 1971

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REFERENCE TO: Mission 1114, CONSTRUCTION PREPARATIONS FOR PROBABLE
SECOND ABM RADAR
CHEKHOV ABM/SPACE RADAR SITES A&B, USSR

1. SIGNIFICANCE:


PREPARATIONS ARE UNDERWAY FOR CONSTRUCTION OF
A PROBABLE SECOND BISTATIC ABM RADAR AT CHEKHOV
ABM/SPACE RADAR SITES A AND B. ITS APPROXIMATE
BORESIGHT AZIMUTH WILL BE 100 DEGREES, TOWARD
CENTRAL CHINA.

2. LOCATION:

35 NM SOUTH-SOUTHWEST OF MOSCOW (COMIREX


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3. REMARKS:

THE EXISTING BISTATIC RADAR AT CHEKHOV IS IN
AN ADVANCED STAGE OF CONSTRUCTION AND IS
ORIENTED ON A BORESIGHT AZIMUTH 
IT COMPLEMENTS THE NORTH-NORTHWEST RADAR
COVERAGE OF THE DOG HOUSE RADAR AT NARO-FOMINSK.

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THE NEW PROBABLE RADAR UNDER CONSTRUCTION
AT CHEKHOV WILL PROVIDE COVERAGE COMPLEMENTARY
TO THAT OF THE SOUTH-SOUTHEAST FACE OF THE
DOG HOUSE RADAR, TO INCLUDE COVERAGE IN THE

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GROUP 1: EXCLUDED FROM
AUTOMATIC DOWNGRADING
AND DECLASSIFICATION

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DIRECTION OF CENTRAL CHINA.

4. FIRST IDENTIFICATION: CURRENT ACTIVITY: THIS MISSION.5. NEGATION DATE:

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6. DIMENSIONS/
SPECIFICATIONS:

EXTENDED AREA OF RADAR SITE A:

9,290 SQUARE METERS (100,000 SQUARE FEET)

7. MISSION READOUT: EVIDENCE SUGGESTS THAT THE SOVIETS WILL INSTALL AN ADDITIONAL BISTATIC RADAR WITHIN THE EXISTING ABM RADAR SITES AT CHEKHOV, AND THAT THE NEW RADAR COMPONENTS WILL BE ORIENTED ON A BORESIGHT AZIMUTH OF APPROXIMATELY 100 DEGREES. THE EXISTING BISTATIC RADAR AT CHEKHOV, WHICH IS IN AN ADVANCED STAGE OF CONSTRUCTION, IS ORIENTED ON A BORESIGHT

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THE PERIMETER OF RADAR SITE A HAS BEEN EXTENDED APPROXIMATELY+ 152 METERS (500 FEET) EASTWARD, WHICH INCREASES THE AREA OF RADAR SITE A BY 9,290 SQUARE METERS (100,000 SQUARE FEET). A LINEAR EXCAVATION HAS BEEN DUG WITHIN A RECTANGULAR ROAD PATTERN IN THE LARGE CLEARED AREA BEHIND THE EXISTING RADAR RECEIVER COMPONENTS AT THE SITE.

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THE RECEIVING ANTENNA STRUCTURE FOR THE EXISTING RADAR WAS UNDER CONSTRUCTION IN SEPTEMBER 1970, AND IS NOW COMPLETELY ERECTED. THE CONTROL BUILDING IS NEARLY EXTERNALLY COMPLETE.

AT RADAR SITE B, A RECTANGULAR AREA OF SHALLOW EXCAVATIONS IS WITHIN A ROAD PATTERN IN A CLEARING BEHIND THE EXISTING RADAR TRANSMITTER COMPONENTS. THE EXCAVATIONS ARE REMINISCENT OF FOUNDATION PREPARATION FOR THE EXISTING CONTROL BUILDING.

THE CONTROL BUILDING FOR THE EXISTING RADAR TRANSMITTER IS EXTERNALLY COMPLETE.

NO SIGNIFICANT CHANGES WERE OBSERVED IN THE SUPPORT AREAS.

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ENLARGEMENTS:

OVERALL: 100X

INSET: 30X

IEG/MSD

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**CONSTRUCTION PREPARATIONS
FOR SECOND PROBABLE ABM RADAR
CHEKHOV ABM/SPACE RADAR
SITES A AND B, USSR**

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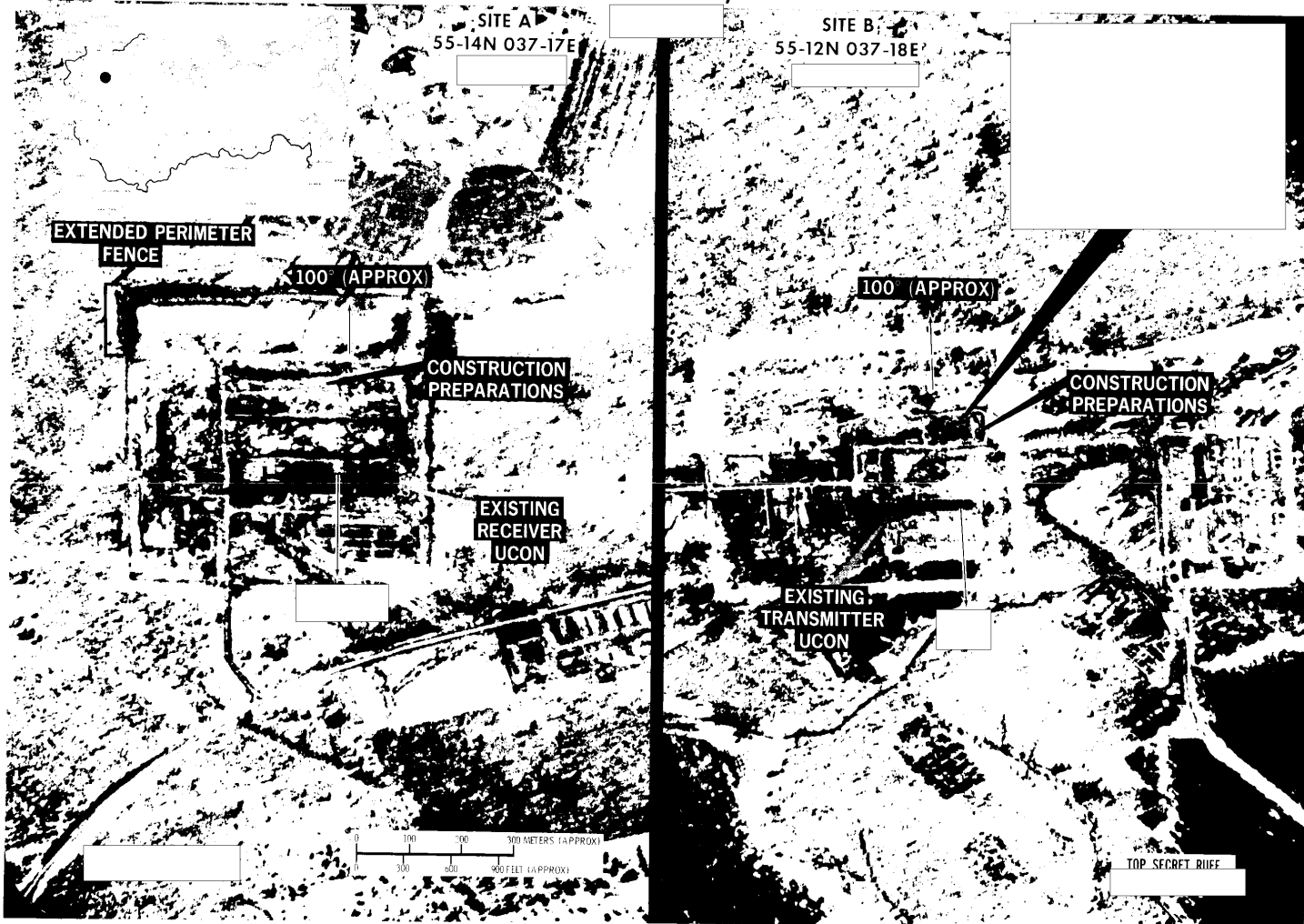
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